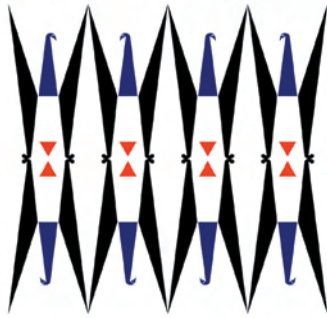


Ngā Pae o te



Māramatanga

The National Institute of Research Excellence for Māori Development and Advancement



Annual Report 2003 — 2004

ISSN 1176 - 8622

We acknowledge Sharon Aroha Hawke for the photographs on the front cover.



NGĀ PAE O TE MĀRAMATANGA ANNUAL REPORT 2003 TO 2004

*Ko te pae tawhiti arumia kia tata
Ko te pae tata whakamaua
Kia puta i te wheiao ki te ao mārama*

Our Vision

To transform New Zealand society such that Māori participate fully in all aspects of society and the economy

Our Mission

To provide excellent research, training and knowledge transfer

Our Strategic Focus

Research programme themes:

- Healthy communities in sustainable environments
- Social and educational transformation
- New frontiers of knowledge

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1.0 BRIEF DESCRIPTION OF NGĀ PAE O TE MĀRAMATANGA

Ngā Pae o te Māramatanga is the National Institute of Research Excellence for Māori Development and Advancement and is one of seven national centres of research excellence that were selected for funding by the New Zealand Government in 2002 and subsequently, established as an Institute on 1 July 2002. Ngā Pae o te Māramatanga is hosted by the University of Auckland and comprises researchers and member entities from eight institutions. Our founding institutions are:

- The University of Auckland
- The University of Otago
- The University of Waikato
- Victoria University of Wellington
- Te Whare Wānanga o Awanuiārangi
- Te Wānanga o Aotearoa
- Manaaki Whenua Landcare Research Ltd
- The Auckland War Memorial Museum

The Institute has worked strategically during the past year to consolidate its infrastructure, while developing and extending networks involving our member entities, Māori researchers, Māori communities and policy agencies. We have also established connections with international networks that share similar research themes or interests in indigenous issues and in building research capability. The Institute has deployed its funds through various programme opportunities that address our research themes and that encourage emerging and accomplished researchers to engage in collaborative and cross-disciplinary research with Māori communities.

2.0 GOVERNANCE AND MANAGEMENT

Ngā Pae o te Māramatanga is an Institute hosted by the University of Auckland and governed by its own board. The role of the Board is to guide and monitor the activities of the Institute in accordance with the guidelines of the Centres for Research Excellence published by the Tertiary Education Commission as at October 2003, and in accordance with the University of Auckland policy governing the operation of University Institutes.

The provisions for governance of the Institute are consistent with those of the host, the University of Auckland. The Board has nine members including the Joint Directors. Board members are appointed by the University after consultation with Ngā Pae o te Māramatanga member entities. The Board includes five members external to the University of Auckland. The Board meets up to six times a year. The management of the Institute is carried out by the Joint Directors, an Executive Research Officer and a secretariat of programme officers and administrative support staff. The Institute is supported by the Faculty of Arts in line with University of Auckland policies. The Joint Directors receive advice, recommendations and reports from an Executive Committee and a Research Committee that consists of senior researchers from the member entities. Our funds are distributed through contestable processes that address three programme areas; research, research training and research knowledge transfer.

3.0 PROFILES OF BOARD MEMBERS AND JOINT DIRECTORS

Board

Professor Michael Brown (Ngāti Kahu, Te Rarawa, Te Aupouri, Ngāpuhi) Pro Vice-Chancellor (Māori), University of Auckland

Professor Michael Brown is the Chairperson of the Board of Ngā Pae o te Māramatanga. He has had a distinguished career in the field of law and has a special interest in the development and welfare of children. He has contributed to a wide range of Māori and indigenous community groups and is currently Pro Vice-Chancellor (Māori) at the University of Auckland where he is special advisor to the Vice-Chancellor. He is also an Adjunct Professor at the University of Waikato and the Director of Te Matahauariki Research Institute.

Professor Tom Barnes

Deputy Vice-Chancellor (Research), University of Auckland

Professor Tom Barnes brings almost 30 years experience in national and international research and research management to the board of Ngā Pae o te Māramatanga. A Professor of Physics at the University of Auckland and Deputy Vice-Chancellor (Research), he holds positions on several other boards including those of the Foundation for Research Science and Technology, the National Research Centre for Growth and Development and Auckland Uni-services Ltd. During his career Professor Barnes has held senior research positions in industry research laboratories, government research institutes and academia in England, New Zealand and Japan. Professor Barnes represents the Vice-Chancellor of the University of Auckland on the Board.

Professor Mason Durie (Ngāti Rangitāne, Ngāti Kauwhata, Ngāti Raukawa) Associate Vice-Chancellor (Māori), Massey University

Professor Mason Durie is Associate Vice-Chancellor (Māori) at Massey University. A leading scholar in Māori research and development, Professor Durie has had a long

and distinguished career in Māori health. Professor Durie has served on a number of community and national organisations including the Foundation for Research, Science and Technology, the Museum of New Zealand Te Papa Tongarewa, the New Zealand Board of Health and the Law Commission (Māori Advisory Committee). Professor Durie currently chairs the Secondary Futures Project and is a Commissioner on the Families Commission.

Mrs Alison Paterson

We welcome Alison Paterson, the most recent appointment to the Board of Ngā Pae o te Māramatanga. Ms Paterson has an extensive background in governance and management and sits on a number of boards. She is the Chairperson of Landcorp Farming Ltd, the Electricity Complaints Commission, BPAC NZ Ltd and the National Research Centre for Growth and Development.

Dr Farah Palmer (Ngāti Mahuta, Ngāti Waiora)

Department of Management, College of Business, Massey University

Dr Farah Palmer is an emerging Māori scholar in management and Māori development issues, particularly as they apply to business, sport psychology and sport education. Dr Palmer has also captained the New Zealand Women's rugby team (Black Ferns) since 1997. She is the acting director of Te Au Rangahau, the Māori Business Research Centre at Massey University. She serves on the Board of the Sports Disputes Tribunal, University Sport New Zealand and the Māori Academy Inc. She is also the SANZAR representative of the Women's Advisory Committee for the International Rugby Board.

Ms Brenda Tahi (Te Whānau ā Ruataupare, Ngāti Porou)

Consultant

Brenda Tahi is a director of Brenda Tahi and Associates, her own consultancy in strategic management. Brenda has held senior management and advisory positions in the core public service, including the New Zealand Office of the Controller and Auditor General and the Department of Internal Affairs. She is currently Deputy Chair of the Accident Compensation Corporation, a member of the Hutt Valley District Health Board and a director of the Institute for Geological and Nuclear Sciences.

Mr Mike Stevens (Ngāti Raukawa, Ngāti Kauwhata)

Moana Pacific Fisheries Ltd, Auckland

Mr Mike Stevens has worked for many years in the area of Māori business and economic development, in both private and senior public sector positions. Mr Stevens currently holds the position of Iwi Liaison Manager for Moana Pacific Fisheries. He has worked with the Foundation for Research, Science and Technology, is a member of the New Zealand Universities Academic Audit Unit and is a Trustee of Te Tohu Taakaro o Aotearoa Charitable Trust.

Joint Directors

Professor Linda Smith (Ngāti Awa, Ngāti Porou)

Professor Linda Tuhiwai Smith is an internationally renowned Professor of Education with a professional background in Māori and indigenous education. Her research interests are wide-ranging and collaborative and include Marsden funded research on the Native Schools system and on New Zealand youth. She is known internationally for her work on research methodology and Māori and indigenous education.

Professor Smith has served on a number of national advisory committees including the Tertiary Education Advisory Committee (TEAC) and was the Chair of the Māori Tertiary Reference Group for the Ministry of Education. She is also a Co-Deputy Chair of the Council for Te Whare Wānanga o Awanuiārangi.

Associate Professor Michael Walker (Whakatōhea)

Associate Professor Michael Walker is one of the world's leading scientists in the study of "magnetoreception" the magnetic sense of animals. He has played a significant role as an advocate to science on behalf of Māori and to Māori on behalf of science. He has served on the Boards of two Crown Research Institutes, Manaaki Whenua Landcare Research Ltd and the Institute of Geological and Nuclear Sciences Ltd. and was a member of the Science and Innovation Advisory Council. Associate Professor Walker has maintained a very active role in the teaching of science in schools and in the mentoring of Māori science students through their university careers.

4.0 CHAIRMAN'S REPORT

In an environment shaped by the requirements of government, tertiary institutions, research entities, industry, stakeholders, different disciplines and increasingly, Māori communities, Ngā Pae o te Māramatanga has completed its second year of operation with a very strong sense of purpose and achievement.

The Institute intends to become internationally recognized for its leading edge research on Māori and indigenous matters as well as for its capacity to transcend sectoral, institutional and disciplinary boundaries. Ultimately, the Institute seeks to facilitate a network of multidisciplinary collaboration and innovation in research.

The National Institute of Research Excellence for Māori Development and Advancement has been an organisation in development for the past two years and during that time has supported innovative initiatives in research, in the building of research capacity amongst Māori research organisations, entities and Māori communities and in developing more effective strategies for knowledge transfer. I am especially pleased to see increasing levels of collaboration across institutions, for example, in the doctoral support programme, and to see the early signs of reaching into Māori communities.

This past year we committed six hundred thousand dollars to Research Demonstration and Development Projects and a further one million dollars to a contestable fund for research. We are pleased that researchers from our member entities have been able to generate innovative research projects that address our major research themes and sub-themes. We note however the continued need to develop researcher capacity across all fields and within all our participating institutions.

Research capacity building has been a challenging aspect of the organisation's business and one that we believe has already made a contribution to New Zealand and to Māori. The motivation for researchers to improve their qualifications and their research outputs has certainly been influenced by the Performance Based Research Fund assessment exercise. We have supported Māori researchers to build their research excellence through a range of activities that include training workshops,

participation in national and international conferences and in particular through the leadership and direction of our Joint Directors. This past year we have seen the potential and the outcomes of the Māori and indigenous (MAI) doctoral support and mentoring programme. This was due in no small way to the successful writing retreat held early in January 2004 and also the efforts of the staff and students at the four 'MAI' programme sites in Auckland, Waikato, Wellington and Christchurch.

Ngā Pae o te Māramatanga organized and hosted an Inaugural International Conference on Traditional Knowledge and Research Ethics that began with seven community workshops and culminated in the main conference event held in Wellington in June 2004. The conference resulted in significant profiling of the Institute at community, national and international levels. A seminar series conducted at the University of Auckland was an opportunity to profile new as well as internationally renowned researchers who presented their findings to multi-disciplinary audiences. This initiative will be further developed to include future seminars to be held in Wellington in 2005 with the purpose of informing policy design and decision-making in and amongst local and national government agencies.

It is envisaged that new membership to the Institute will be an option in the immediate future with a recommendation from the Board that a suitable process to enable the registration of new member entities be developed.

The Institute faces a unique set of challenges as a centre of research excellence. It is a very large collaborative endeavour among researchers from different disciplines who work across eight institutions that have varying degrees of research capacity. It has set out a very large task for itself of making a significant contribution to Māori development by accelerating the number of Māori researchers across all areas and by conducting research in ways that genuinely engage with diverse Māori communities and meets their needs and aspirations.

In anticipation of a long term future, Ngā Pae o te Māramatanga welcomes the review by the Tertiary Education Commission that will determine ongoing funding beyond 2005.

5.0 JOINT DIRECTORS' REPORT

We are pleased to report on the second year's activity of Ngā Pae o te Māramatanga which has been marked by the rolling out of the three core components of the Institute. In our original proposal, we stated that we would contribute to the building of research capacity within the Māori community by identifying and funding excellent research, providing research training opportunities and supporting knowledge transfer activities. These core components are considered to be vital for the development of an ongoing culture of research within the Māori community. Therefore, we are very pleased to report that a diverse programme of research activity is now underway as a result of the work of Ngā Pae o te Māramatanga over the last two years.

While the first year was primarily spent setting up the infrastructure of the Institute, the second year has built on this foundation by ensuring that a rich and diverse research programme is funded and in operation. In our second year research programme we continued the funding of four Demonstration Projects that were initiated by us in the first year and a series of research projects generated through a contestable round among our member entities. One of the Demonstration Projects included research by Dr Elizabeth McKinley and her colleagues at the University of Waikato that examined Māori participation in mathematics and science. Her research makes an important contribution to our understandings of the complex processes of biculturalism, bilingualism and biliteracy across the curriculum areas. A second Demonstration Project led by Kepa Morgan and Hugh Morris of the School of Engineering at the University of Auckland constructed and tested the compressive strength of materials of earth reinforced with flax fibre or muka. The project worked with two Māori communities to build a knowledge base on Māori views about earth and fibre as building materials and then applied that knowledge to harvesting and preparing the material for testing. Their tests on the compressive strength of muka reinforced earth leads to the conclusion that buildings constructed from earth-cement mixtures should have better earthquake resistance than unreinforced mixtures. A third demonstration project led by Dr Fiona Cram generated a series of stimulus essays on marginalisation that were then used as the basis for a series of dialogue sessions between researchers and Māori social services providers who work with marginalised groups. This direct form of interaction between

research, theory and practice has produced a very innovative methodology. We have also funded Professor Ngāpare Hopa and colleagues of Te Wānanga o Aotearoa to develop a framework for working with Māori adults in the area of biliteracy.

We committed a million dollars to funding research through a contestable research Round. This has resulted in a range of projects that fit our research themes and begin the formation of research portfolios across our research themes and sub-themes. Under the theme of *New Frontiers of Knowledge* for example, we have funded a project by Dr Shane Wright of the University of Auckland that will test the hypothesis that rates of evolution are faster for organisms living in tropical climates compared to those living in cooler climates. We funded another project led by Dr Papaarangi Reid of the University of Otago that will help develop guidelines for handling Māori genetic samples. Under the theme of *Social and Educational Transformation* we have funded research led by Dr Margie Hohepa of the University of Auckland that will focus on our priority areas of Māori medium education, a project by Professor Russell Bishop of the University of Waikato that examines professional development in mainstream schooling and another project by Dr Joanna Kidman that will document the way Māori youth develop understandings of the social world. Under the theme of *Healthy Communities and Healthy Environments* we have funded a project led by Dr James Ātaria of Manaaki Whenua Landcare Research Ltd that will identify appropriate western science and extend Māori knowledge based methodologies to measure the impact of chemical contamination from roading and initiate an assessment of soil and sediment using these techniques. We have also funded research undertaken at Te Whare Wānanga o Awanuiārangi and led by Professor Patricia Johnston that examines the impacts of the forestry industry on the Eastern Bay of Plenty.

Much of the research that we have funded has the potential to have a strong impact within the public arena in general and within the Māori community more specifically. Our research requires demonstration of a high degree of engagement with Māori communities and contains evidence of research capacity-building and collaboration across disciplines and institutions. Our financial statement includes forward commitments of \$1,091,053 that are linked to projects already awarded funding. Another Research Round in August 2004 will commit a further million dollars to specific research projects.

A number of highly successful events were held this year. Of particular significance was our inaugural international conference, *Tikanga Rangahau, Tikanga Tuku Iho: Traditional Knowledge and Research Ethics* which attracted a diverse range of participants through a series of community workshops culminating in a conference held at Te Papa Tongarewa in June. A striking feature of the conference was the comprehensive involvement of communities from throughout New Zealand before, during and after the Conference. The international, national and Māori keynote speakers represented a range of disciplines and fields in which research ethics plays a significant role such as the arts, biotechnology and biodiversity, indigenous knowledge and public and social health and medicine. A function held in Parliament and hosted by the Minister of Māori Affairs to welcome conference speakers and participants was very well attended. We were also very pleased to have had the support of the National Ethics Advisory Committee, Te Puni Kōkiri, the Ministry for Research, Science, and Technology, the Foundation for Research, Science and Technology, Te Taura Whiri i te Reo Māori (the Māori Language Commission), Huia Publishing, Living Nature and Te Papa Tongarewa.

A further highlight this year has been the doctoral writing retreat that was held at the beginning of 2004. This retreat brought together thirty-one Māori doctoral students from throughout New Zealand to the Waikato University College for a week of solid writing and intellectual discussion. The retreat is part of our strategy to build research capability and to provide the kinds of interventions and cross-training activities that will accelerate doctoral completions and build leadership for the future. We were honoured by the presence of Dame Te Atairangikaahu and a number of other dignitaries and seminar speakers, all of whom contributed significantly to the overall success of the event. The retreat has had a significant impact in helping students move closer towards the completion of their doctorates.

Activities such as the writing retreat are a key component in building a solid foundation of Māori researchers. An important complement to these activities is the ongoing Māori and Indigenous Doctoral Support and Mentoring Programme known as the MAI programme. This programme has now been firmly established in four regional sites (Auckland, Waikato, Wellington and Christchurch). Each centre has reported a vibrant and diverse programme for doctoral students that has included seminars and

guest speakers. As well, the MAI programme operates a virtual site for Māori students studying abroad and others who are unable to attend meetings. Not only does this provide contact with Ngā Pae o te Māramatanga but it also allows us to develop strong international linkages with similar indigenous programmes outside New Zealand. Students enrolled in the MAI Programme can look forward to the first Ngā Pae o te Māramatanga doctoral conference in November, 2004. As this report has signalled, Ngā Pae o te Māramatanga is poised for considerable expansion in the next year of activity and beyond and we look forward to building on our relationship with Te Tapuae ō Rēhua Ltd who will assist us in our outreach to students and institutions in the South Island.

While we have focussed on developing a solid research infrastructure in the current year we have also been mindful of our commitment to extending and consolidating our international linkages. It is extremely pleasing, therefore, to report that Ngā Pae o te Māramatanga has been part of a successful application to the United States National Science Foundation under the Integrated Graduate Education, Research and Traineeship (IGERT) programme. The IGERT grant is to the University of Washington and is an international programme of research capability building. We expect to see the relationship produce significant opportunities in the form of training opportunities for Māori researchers in the near future, both within New Zealand and internationally.

As we prepare to enter our third year of operation we are confident that a firm foundation has now been established for the ongoing work of Ngā Pae o te Māramatanga. Already, significant achievements have been accomplished, as noted in this, our second annual report. These achievements have resulted from the tremendous efforts and contributions of a wide range of people from local communities, universities and other research entities. Accordingly, we wish to record in this report our gratitude and sincere thanks to all eight participating entities and member researchers who have made an important contribution to the building of this foundation in the last two years of operation. As we move into the future, we are confident that we will continue to see growth and development in communities throughout New Zealand thanks to the excellent research activities that Ngā Pae o te Māramatanga has been able to support and nurture.

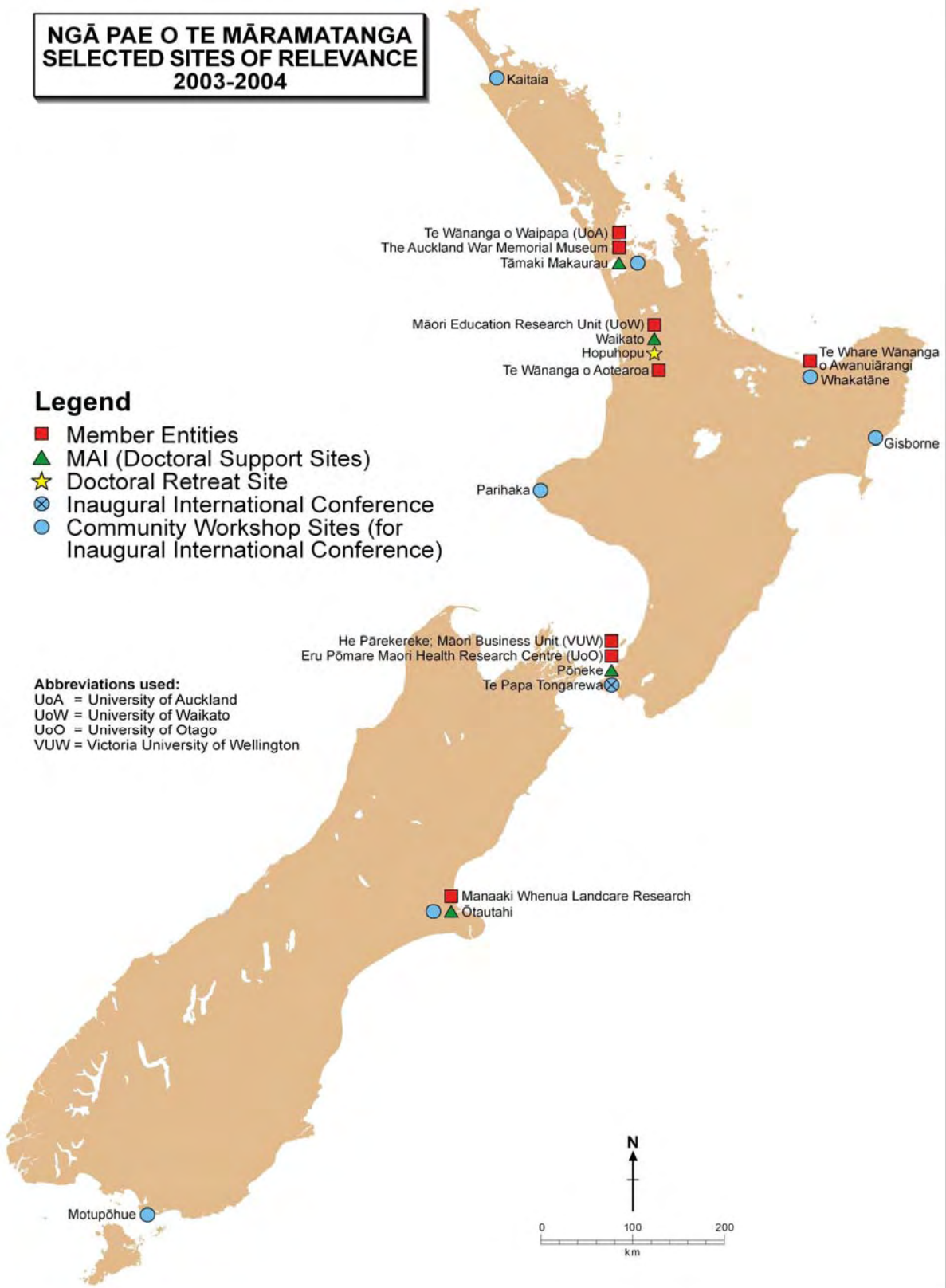
**NGĀ PAE O TE MĀRAMATANGA
SELECTED SITES OF RELEVANCE
2003-2004**

Legend

- Member Entities
- ▲ MAI (Doctoral Support Sites)
- ★ Doctoral Retreat Site
- ⊗ Inaugural International Conference
- Community Workshop Sites (for Inaugural International Conference)

Abbreviations used:

UoA = University of Auckland
 UoW = University of Waikato
 UoO = University of Otago
 VUW = Victoria University of Wellington



**TABLE: SELECTED RESEARCH PROJECTS FUNDED BY
NGĀ PAE O TE MĀRAMATANGA, 2003-2004**

A: Demonstration Projects

Title	Project Leader	Institution/Entity	Research Locations
Māori Participation in Mathematics and Science	Dr Elizabeth McKinley	University of Waikato	Selected national sites
Building a Knowledge Base on Māori Views about Earth and Fibre as Building Materials	Kepa Morgan and Hugh Morris	School of Engineering University of Auckland	Ōtara and Kaiaua/Ōrere Point
Marginalisation Project	Dr Fiona Cram	IRI University of Auckland	NZ-wide
Framework For Working with Māori Adults in the Area of Bilingualism	Dr Ngāpare Hopa and Ms Sen Wong	Te Wānanga o Aotearoa	Waikato

B: Contestable Research Projects *

Title	Project Leader	Institution/Entity	Research Locations
A New Paradigm for Evolution: Science	Dr Shane Wright	University of Auckland	Pacific Rim
Outcomes of the Forestry Industry on Māori Communities	Professor Patricia Johnston	Te Whare Wānanga o Awanuiārangi	Eastern Bay of Plenty, Kawerau and Whakatāne
Guidelines for Handling Māori Genetic Samples	Dr Papaarangi Reid	Eru Pōmare Health Research Centre, University of Otago	Wellington
Reading Comprehension in Kura, Years 4-8	Dr Margie Hohepa	University of Auckland	Te Tai Tokerau: Whāngārei to Kaitiāia, Whirinaki to Whangaroa
Professional Development in Mainstream Schooling	Professor Russell Bishop	University of Waikato	Rotorua

* There are five other contestable research projects in addition to those listed above.

6.0 RESEARCH PROGRAMME AND HIGHLIGHTS

The last two decades were recently hailed by Professor Mason Durie at the Hui Taumata Mātauranga as transformative years for Māori development, and more particularly for Māori educational development. The past two years have been similarly transformative for Ngā Pae o te Māramatanga and its associated entities and communities despite its relatively short life span. In our first year we funded a small number of Demonstration and Development Projects to foster the new research paradigm that Ngā Pae o te Māramatanga was seeking to establish and assist in building research capacity. In our second year we instituted and conducted a contestable process by inviting research proposals from our members that met our strategic themes and demonstrated the research practices that we seek, such as collaboration, engagement with Māori communities, multi-disciplinary research and research excellence. Many of the research projects support doctoral students in their own research.

6.1 Demonstration Projects

Construction workshops with UKU

Mr Kepa Morgan, The University of Auckland

This project sought to relate traditional knowledge and practice to modern techniques for developing muka reinforced earth as a construction material.

Protocols for researching with vulnerable and marginalised Māori

Dr Fiona Cram, Katoa Ltd

This project provided for the development, establishment and enhancement of relationships between researchers and those groups who work with marginalised groups and individuals through initiating a collaborative process to develop protocols for researching with marginalised groups and individuals.

Māori knowledge, language and participation in mathematics and science education

Dr Elizabeth McKinley, The University of Waikato

This project examined current practices for measuring Māori participation and achievement in science and mathematics, investigated student experiences of science and mathematics in English medium and Māori medium schools and investigated the views of whānau, parents, caregivers and teachers of Māori students regarding science and mathematics education.

Listening in Māori Literacy Research (seeding)

Dr Ngāpare Hopa and Ms Sen Wong, Te Wānanga o Aotearoa

The research conducted a methodological review of "listening" inside participatory research and drew together a discussion on Māori literacy.

6.2 Funded Research Projects

A new paradigm for evolution: Does the flow of energy determine the rate of evolutionary change?

Dr Shane Wright, The University of Auckland

The project aims to test the hypothesis that rates of evolution are faster for organisms living in tropical climates compared to those living in cooler climates.

Te Reo, a language for Māori alone? An enquiry into the views of Māori

Professor Margaret Mutu, The University of Auckland

This study aims to survey the range of opinion and viewpoints as well as the concerns that Māori have about making *te reo* a language for all New Zealanders.

Social change in the Eastern Bay of Plenty: Outcomes of the forestry industry on Māori communities

Professor Patricia Johnston, Te Whare Wānanga o Awanuiārangi

This study documents the social impact of the forestry industry in the Eastern Bay of Plenty. Social change in this project is interpreted as including the educational, economic, cultural, health, political and environmental aspects of people's lives.

Through Our Eyes: Mapping the social landscapes of Māori youth

Dr Joanna Kidman, Victoria University of Wellington

This study aims to document the social territories of young Māori living in a cross-section of urban, small town, and rural settings, using multi-media visual data which are collaboratively generated by the participants, in conjunction with wānanga and university-based practitioners and students in photography and film media.

Te Kotahitanga: Improving the educational achievement of Māori students in mainstream education – a longitudinal study of two schools

Professor Russell Bishop, The University of Waikato

This project constitutes the conditions for sustainable professional development that is directed specifically at improving the educational performance and achievement of Māori students in two mainstream schools.

Whakawhānuitia te hinengaro: Reading to learn in te reo Māori – reading comprehension and language development in te reo Māori literacy, Y4 to Y8

Dr Margie Hohepa, The University of Auckland

There is a small but growing corpus of knowledge about children in Māori-medium classrooms learning to read in te reo Māori in the early years of primary schooling. However there is relatively little information about what happens as these children move from learning to read in te reo Māori to 'reading to learn' in their latter years of Māori-medium primary schooling. This research will examine reading comprehension practices in years 4-8 in Kura Kaupapa Māori.

Ko te huarahi ki mua: Roads for change

Dr James Ātaria, Manaaki Whenua Landcare Research Ltd

This project is a holistic research programme to identify and assess the damage done to the earth by chemical contamination from roads.

Eugenics, race ideologies and biotechnology in Aotearoa: A scoping study

Dr Leonie Pihama, The University of Auckland

This research aims to examine the extent to which eugenics and race theories as discourses that promoted certain forms of relationships played a key role in defining social structures for both Māori and Pākehā.

Science, mātauranga Māori and schools: An exploration of possibilities for pūtaiao

Dr Elizabeth McKinley, The University of Waikato

This project has examined the links between Māori language and knowledge and Western Modern science in the curriculum subjects – Mathematics and Science.

Towards the development of guidelines for the handling, use and storage of Māori genetic material in research

Dr Papaarangi Reid, The University of Otago

This project aims to fill an urgent need within New Zealand for the development of a practical yet ethical framework around research involving Māori tissue or fluid

samples. The research builds on previous work but seeks to establish guidelines that will sit within a kaupapa Māori theoretical paradigm.

6.3 Research Training and Capacity Building

Ngā Pae o te Māramatanga has developed an integrated research training and capacity building programme that focuses our strategic efforts on bridging the 'transitions' of a research career from schooling through to under-graduate and post-graduate education into emergent research careers and towards research leadership. Transitions are critical points in the development of a research career that can impede or accelerate a career in research. Internationally these transitions tend to concentrate at the post-doctoral level but for Māori career development the trajectory is different as many of our existing research leaders and academic staff are still completing doctoral degrees while also teaching and mentoring a cohort of students and responding to a range of institutional and community needs. In recognising this feature of a Māori research career profile our approach is to develop strategies that support the current reality but also seek to accelerate change towards a more effective career pathway.

We have focused our programme on providing a range of opportunities for gaining experience in research at under-graduate level with summer interns, for doctoral support, for accelerating completions of doctoral degrees and for emerging and post-doctoral researchers. Our major focus is at the doctoral and post-doctoral level where we have invested in providing multiple forms of support. We have attempted to provide mentoring and support to students across all institutions and not just our participating entities because we view this development as crucial for building breadth of intellectual capacity and as a means to provide extra support in the Māori development field for students who may not have this skill in their supervisory or disciplinary context. The training programme is also supported by the research we have funded for improving Māori participation and achievement in education and by the knowledge transfer programme that we have initiated as we recognise the importance of improving educational outcomes for Māori in schooling if we are to build research capacity.

6.3.1 Summer Internships

This year we selected and funded 15 summer interns from the University of Auckland, the University of Waikato, Manaaki Whenua Landcare Research Ltd, Victoria University and the University of Otago. Internships have been an effective research training strategy to foster and encourage promising students into postgraduate study. The summer internship programme provided each student an opportunity to conduct research over ten weeks during the summer break. The internship programme has enabled students to scope out potential research priorities with their respective communities and with their academic supervisors. The summer interns participated in a seminar programme held during the doctoral writing retreat and received feedback from doctoral students, their supervisors and other interns that assisted them in preparing their final reports. After their seminars the interns attended the Doctoral Retreat Dinner along with official guests.

6.3.2 Māori and Indigenous (MAI) Doctoral Support and Mentoring Programme

The Māori and Indigenous Doctoral Support and Mentoring Programme (the MAI programme) was initially designed to assist interested candidates to enrol in a doctoral degree. It has since expanded to provide on-going support, mentoring and cross-training of enrolled doctoral students. The MAI programme has provided regular monthly meetings and associated activities in four regional centres, Auckland, Waikato, Wellington and Christchurch. Academic co-ordinators of all four centres report a robust programme of academic activity that has seen students making significant progress towards completion of their doctorates. The academic co-ordinators of the MAI Programme collaborated on a conference paper delivered to the Higher Education Research and Development Society of Australasia HERDSA that reported on the MAI initiative. The MAI Programme operates a virtual site that enables international indigenous students to access and benefit from the programme, that maintains contact with students enrolled in New Zealand institutions and provides advice to people interested in undertaking doctoral study.

Ngā Pae o te Māramatanga has established a database of 250 Māori students either enrolled in doctoral degrees or recently completed doctorates from New Zealand and international institutions.

6.3.3 Doctoral Stipends

Ngā Pae o te Māramatanga allocated \$120,000 for doctoral stipends. Eleven students were awarded stipends to assist in the completion of their theses. The funds were allocated to the MAI programme sites but also included an open category for students from institutions who were not involved directly in a MAI programme. Given the high standard of excellence amongst applicants the committee chose to offer shared stipends to eleven students rather than five full stipends as originally planned. Stipends were awarded to students studying in fields such as physics, business, education, technology, education, archaeology, Māori Studies and public health.

6.3.4 Writing Retreat

Thirty-one Māori doctoral students were selected to attend a Writing Retreat held at the Waikato University College, Hopuhopu, from 28 January to Thursday 5 February 2004. The programme was designed to provide opportunity for writing, for intellectual discussion and interaction across disciplines and institutions. A seminar was held each evening and students were exposed to a range of accomplished speakers from the local community, from business, policy agencies and from research institutions.

Of particular note was the attendance of Dame Te Atairangikaahu and her husband Whatumoana, other Tainui kaumātua, and College staff members to a special dinner held to commemorate the third anniversary of Sir Robert Mahuta's death. Tainui MP Nanaia Mahuta gave a stimulating address to the assembly followed by Emeritus Professor Ranginui Walker who reflected on his experiences as a writer and commentator on Māori and New Zealand issues.



L to R: Ngāhinatūrae Te Uira, Associate Professor Michael Walker, Nanaia Mahuta MP, Professor Les Williams

The retreat provided a forum for our under-graduate summer interns to present their seminars. Thirteen summer interns reported on their research findings and took advantage of the programme to interact closely with doctoral students and academic staff.

The writing retreat represented an exciting dynamic in research capability building for Māori. The students themselves rated the hui as an overwhelming success with substantial progress being made in the writing of significant chapters of their theses and papers for publication. One student completed the final version of her thesis during the retreat and two others who were at the very beginning of their doctoral studies were provided with the shared wisdom of the other students about the doctoral process. Most importantly, students were able to write in a stress free environment. The Waikato University College at Hopuhopu provided a superb venue for a scholarly retreat and we acknowledge the support of Tainui and the gracious presence during the retreat of Dame Te Atairangikaahu.



L to R: Wally Penetito, Cathy Corscadden, Arapera Tangaere, Nin Tomas, Materoa Dodd



Dr Sarah Jane Tiakiwai during her presentation at the retreat



Some of the people who attended the writing retreat

7.0 KNOWLEDGE TRANSFER

7.1 Inaugural International Conference Tikanga Rangahau, Tikanga Tuku Iho 10-12 June 2004

Ngā Pae o te Māramatanga convened its inaugural international conference on the subject of traditional knowledge and research ethics. The Conference began with seven community-based research ethics workshops and then convened at Te Papa Tongarewa, Wellington from 10-12 June, 2004.

The conference addressed several strands of work that included:

- research with socially excluded groups,
- bio-ethics,
- the challenges presented by the knowledge economy,
- tikanga Māori,
- mātauranga and indigenous knowledge, and
- the rapid advances being made in new technologies.

Engagement with Māori communities was a major theme of the conference, and as such, a high degree of community dialogue was a special feature of this conference as was the participation of several international and Māori keynote speakers. The international speakers included Dr Stephen Sodeke (Nigeria/USA), Debra Harry (Paiute/USA), Alejandro Argumendo (Peru), Lopeti Senituli (Tonga), Sally Riley (Australia), Professor Donna Dickenson (UK) and Professor Nancy King (USA). A further highlight was the calibre of Māori keynote speakers who contributed to the conference including Justice Edward Taihākurei Durie, Professor Margaret Mutu, Professor Hirini Moko Mead, and Joint Directors Professor Linda Tuhiwai Smith and Associate Professor Michael Walker. Workshop and Conference participants were from tertiary institutions, Māori and Government agencies, ethics committees and communities.

Seven communities participated in the pre-conference workshops. Each one was attended by one of the international speakers. The communities were Kaitiāia, Ōrākei, Whakatāne, Gisborne, Taranaki, Christchurch and Motupōhue.

The conference identified a range of issues that have particular relevance for Māori and indigenous communities in the twenty-first century including issues related to indigenous systems of knowledge, contemporary forms of art and representation, biotechnology, international agreements, and issues of protection and conservation.

It is hoped that this inaugural conference may go some way to setting new standards for research with Indigenous Communities not only here in Aotearoa New Zealand but throughout the world. The major addresses were recorded and have been made available to member entities as teaching resources. A refereed Conference Proceedings is being published and will be available in early 2005.



L to R: Associate Professor Michael Walker, Dr Stephen Sodeke (Nigeria/USA), Professor Donna Dickenson (UK), Professor Nancy King (USA), Na'u Kamali'i (Hawai'i), Lopeti Senituli (Tonga)



L to R: Cheryl Smith, Le'a Kanehe, Māhinekura Reinfeld



Kaitiāia community participants with Alejandro Argumendo



L to R: Professor Hirini Mead, Professor Nancy King, Kiwi Tamasese

7.2 Seminar Series and Inaugural Professorial Lectures

The Ngā Pae o te Māramatanga Seminar Series 2004 held at the University of Auckland has proven very popular as evidenced by attendance numbers and the numerous requests for copies of seminar papers. The series aimed to showcase Māori researchers and to date we have seen an excellent sampling of the wealth of Māori research excellence that is flourishing in our communities.

- 27 April *Dr Liz McKinley, The University of Waikato*
- Brown bodies, white coats: Post colonialism, Māori women and science**
- 11 May *Professor Garth Cooper, The University of Auckland*
- Diabetes in NZ Māori: Is a genetic approach to diagnosis and management warranted?**
- 19 May *Professor Margaret Mutu, The University of Auckland*
- Recovering Fagan's ill gotten gains: Ngāti Kahu's experience in the treaty claims settlement process**
- 26 May *Professor Linda Smith, Ngā Pae o te Māramatanga*
- Māori Education in Uncertain Times: Legacies, Learning and Challenge**
- 22 June *Dr Shane Wright, The University of Auckland*
- Does evolution have wheels in the tropics?**

The seminars have been recorded and made available to member entities for teaching purposes.

In the next year we will extend the series to Wellington and invite our member entities to host a similar research-based seminar programme to foster research culture.



L to R: Josie Keelan (MAI programme), Ngāhiiti Faulkner (MAI programme), Aroha Mead (seminar presenter), Rauru Kirikiri (Research Committee) and Donna Gardiner (Programme Officer) during the Ngā Pae o te Māramatanga seminar series.

8.0 PRESENTATIONS AND PUBLICATIONS

Presentations

Joint Directors

Smith, L.T. July, 2003. *Building Research Capability*. HERDSA (Higher Education Research and Development Society of Australasia) Annual Conference, Christchurch.

Smith, L.T. November, 2003. *Indigenizing Research and Politics: Towards Self-Determination and Social Justice*. Symposium on Indigenizing the University, Department of Political Science, University of Hawai'i at Mānoa, Honolulu, Hawai'i.

Smith, L.T. December, 2003. *Researching as Mapping of Pathways*. Te Toi Taura Annual Conference, University of Waikato.

Walker, M. September 18, 2003. *The expanding spiral: The transformative role of research in Māori development*. Centre for Hawai'ian Studies, University of Hawai'i at Mānoa, Honolulu, Hawai'i.

Walker, M. October 2, 2003. *The expanding spiral: Transforming society through research*. Presentation to Department of Labour Māori Staff Network, CEO and General Managers, Te Tii Marae, Bay of Islands.

Walker, M. March, 2004. Workshop Chair, APEC R&D Leaders Conference.

Walker, M. March, 2004. *Te Kākano Rangatira: Māori (and Pacific Island) participation in the science-based society*. MoRST Chatshop, March 2004.

Secretariat

Aspin, C. *Contemporary Understandings of Māori Sexuality. The Place of Takatāpui Identity within our Community*. A presentation to the Society of Australasian Social Psychologists Annual Conference, Auckland.

- Aspin, C. *Understanding Māori Sexuality Today*. A presentation at a community hui convened by the International Research Institute for Māori and Indigenous Education (IRI), Waipapa Marae, Auckland.
- Aspin, C. *Involving Communities in the Research Process*. A presentation at a doctoral seminar convened by the Student Learning Centre, University of Auckland.
- Aspin, C. *The power of science and research and the 'ethical' participation of Māori in the research sector*. A presentation at the FRST postgraduate student seminar, Wellington.
- Kēpa, M. *Critique, diversity and serendipity. Underpinnings of a critical Māori pedagogy*. Auckland University of Technology, Wellesley Campus, School of Social Science. Professional Development for Migrant Academics, 15 March, 2004.
- Kēpa, M. *Cultural fragments: Concerning Māori Research Development*. Auckland University of Technology, Wellesley Campus, School of Social Science. Professional Development for Migrant Academics, 26 April, 2004.
- Kēpa, M. *Theories and laws underpinning Māori women's leadership*. University of Auckland, Centre for Professional Development. Māori women in academic leadership seminar, 28 May 2004.
- Kēpa, M. *A critical 'Pasifika' pedagogy*. University of Auckland, Centre for Professional Development. 'Pasifika' Education, 13 May 2004.
- Kēpa, M. *Theories and laws underpinning Māori women's leadership*. Auckland University of Technology, School of Education, Akoranga Campus. Lecture, Master of Education, 3 May 2004.
- Kēpa, M. *The school-within-a-school. Loosening the grip of the tiresome prima donna*. University of Auckland, School of Education, Manukau Institute of Technology. Lecture, Bachelor of Education, 19 May 2004.
- Kēpa, M. *A critical Māori pedagogy*. University of Auckland, School of Education, Manukau Institute of Technology. Lecture, Bachelor of Education, 12 May 2004.
- Kēpa, M. *TalanoaMālie: Transcultural Education and Peace*. Applied Linguistics Association of New Zealand (ALANZ) Symposium on Second Language Acquisition in the Classroom. Auckland University of Technology, 8 November 2003, Paper Presentation.
- Kēpa, M. Conference Proceedings – *TalanoaMālie: Social and Educational Empowerment for Tongans by Tongans in the 'Pasifika' Education Proposal*.

- Kēpa, M. MEASINA Samoa Conference, National University of Samoa. Conference Proceedings – *TalanoaMālie. Transcultural Education and Peace*, December 2003.
- Kēpa, M. UNESCO Conference on Intercultural Education. *Teaching and Learning for Intercultural Understanding, Human Rights and a Culture of Peace*. University of Jyväskylä, Jyväskylä, Finland, 15-18 June 2003, Conference Proceedings – *TalanoaMālie: Transcultural Education and Peace*.
- Kēpa, M. *TalanoaMālie, Transcultural Education and Peace*. Refereed paper presented at the MEASINA Samoa Conference, National University of Samoa, December 15-17, 2003.
- Reynolds, P. *Would you call yourself an activist? The ethics of activism*. Mātauranga Tuku Iho Tikanga Rangahau: Traditional Knowledge and Research Ethics Conference, Te Papa, Wellington, June 10 – 12, 2004. Refereed conference proceeding.
- Williams L.R.T., Smith, L. T., Kidman, J., Wilkie, M., Phillips, H., and McKinley, E. (presented by H. Phillips). The Māori and indigenous doctoral support programme, *HERDSA 2004 Conference: "Transforming Knowledge into Wisdom: Holistic Approaches to Teaching"*, Curtin University campus at Miri, Sarawak 4-7 July, 2004.

Researchers

- McKinley, E., Stewart, G., Richards, P., O'Sullivan, D., Tiakiwai, S. and Young-Loveridge, J. *Māori knowledge, language and participation in mathematics and science education: A Progress Report*. Paper presented at the New Zealand Association for Research in Education (NZARE), 30 November – 3 December, Auckland. 13pp. 2003.
- McKinley, E., Stewart, G. and Richards, P. *Māori science education: Issues of knowledge, language and identity*. Paper presented at the National Association of Research in Science Teaching, Vancouver, Canada, 1-3 April. 14pp. 2004a.
- McKinley, E., Stewart, G. and Richards, P. *Māori science and mathematics education: Issues of knowledge, language and identity*. Paper presented at the American Educational Research Association (AERA), San Diego, USA, 12 – 16 April. 20pp. 2004b.
- Muru-Lanning, M. *The leadership and politics of Māori and Quebecois rangatahi/youth*. Paper presented at the Association of Social Anthropologists Oceania Conference in Salem – Massachusetts, Boston USA, February 2004.

Reynolds, P., *Ngā Puni Whakapiri: Indigenous struggle and genetic engineering*. Unpublished PhD thesis, Simon Fraser University, Vancouver, Canada (In progress), June 2004.

Takoko, J. *PATH Planning and Evaluation tool – a tool for work with Iwi and Māori*. Paper presented at Indigenous Evaluation Workshop, Hawai'i, January 2004.

Waymouth, L. *Having an eye for perception. Environmental Literacy in a global perspective. Lessons from the past: Māori environmental literacy*. Paper presented at conference: American Society for Environmental History, Victoria, B.C. Canada, April 2004.

Technical Reports – Demonstration Projects

Fiona Cram. *Protocols for research with vulnerable and marginalized Māori*.

Elizabeth McKinley. *Māori in Mathematics and Science Education*.

Kepa Morgan. *Integrated Solutions UKU*.

Ngāpare Hopa, Sen Wong. *Adult Learning and Literacy at Te Wānanga o Aotearoa and in the wider Māori community*.

Summer Internships 2003-2004 reports

Barlow, R. *The Digital Divide and E-Government: The Implications of the Ethnic Digital Divide for E-Government in New Zealand*. University of Waikato. [Describes strategy to increase public access to government process through information technology. Recommends initiatives to ensure equity of access for Māori]

Brown, TR. *Māori Cultural Values Database: Protocols and Structures for Utilisation in Māori Development*. Manaaki Whenua Landcare Research. [Examination of issues concerning Landcare Research's Māori Cultural Values Database for iwi and hapū. Recommends deployment of database to communities via CD-ROM and Internet]

Chu, C. *Mentoring for Māori Students in Tertiary Education*. Victoria University. [Review of literature on mentoring models for Māori and indigenous students and description of Māori student mentoring programme at VUW]

Davis, M. *Hauora o ngā Tāne Māori*. University of Auckland. [Review of literature that investigates Māori Men's health]

- Downes, C. *Communication of Māori views on climate change by the media*. University of Waikato. [Analysis of Māori views on climate change as communicated by New Zealand print media]
- Dunstan, K. *Marketing Māori Art: Compromising Integrity or Creating Opportunity?* University of Waikato. [Promotes need for marketing of Māori art and introduction of studio concept on completion of art course]
- Mahuika, N. *Reconstructing Māori Pedagogies: Understanding and reconstructing*. University of Waikato. [Māori Pedagogies to meet specific iwi learning needs and aspirations. Investigation into the needs and aspirations of Māori in mainstream secondary education]
- Ormsby, T. *Nga Pāpaka o Rangataua: Kei hea ngā kai?* University of Waikato. A report on the state of the shell fish and fish resource in Rangataua Bay in Tauranga Harbour. [Documents the chronic state of the environment which has seen the depletion of resources through human activity and sewage discharge. Calls for sustainable management and restoration of environment and resources]
- Rāwiri, A. *Te Papakupu o Te Taitokerau Dictionary Project*. University of Auckland. [Exploratory study as basis for compilation of Te Taitokerau dictionary]
- Simon, W. *Participation and Representation - An Investigation of Iwi Registers*. University of Waikato. [A Case Study of a Marae Whānau within the post-Treaty Settlement Structure, investigation of post-Treaty settlement structure and whānau's perceptions, barriers and motivations to register]
- Te Tāmaki, S. *Testing the Circa-semilunar Clock Hypothesis in the Intertidal Isopod *Scyphax ornatus**. University of Auckland. [Confirming that experimental manipulation of *Scyphax ornatus* semilunar rhythm was possible through changing day length (T) and observing a predictable change in *Scyphax* activity maxima as a result of the change in the T cycle]
- Wakelin, S. *Thinking Again on Illich's Radicality: A Stimulus for Māori Thinkers*. Victoria University of Wellington. [Critical analysis of Illichian concepts and tenets espoused by Penetito in Research and Context for a Theory of Māori Schooling]
- Warren, R. *New Zealand Constitution – The New Frontier of Knowledge*. University of Waikato. [Asks whether Māori Treaty rights are enforceable against the Crown and all other adverse possessors and claimants]
- Winiata, F. *Ngā Kāinga Pai: A literature review on disparities between Māori and non-Māori when seeking accommodation*. University of Otago. [Documents discrimination experienced by Māori when seeking rented housing and the consequent adverse effects on their health. Recommends government action to eliminate discrimination and disparities]

MAI Doctoral Stipends 2004

MAI SITE	NAME	INSTITUTION	IWI	TITLE
ŌTAUTAHI	Pauline Harris	University of Canterbury	Rongomaiwahine Ngāti Kahungunu Ngāti Rākaipāka	The search for temporal coincidences between gamma ray bursts and neutrino events detected in Radio Ice Cherenkov Experiment
	Anna Sutton	University of Canterbury	Te Aupouri Te Rarawa Ngāpuhi	The politicisation of Māori women's representation in textual analysis
TĀMAKI	Kathy Corscadden	University of Auckland	Ngāti Maru Ngāti Whanaunga	Access and equity issues associated with information and communication technology and Māori education
	Melissa Taitimu	University of Auckland	Te Rarawa	When two worlds collide: A Māori understanding of spiritual and psychotic experiences
PŌNEKE	Shaun Wakelin	Victoria University	Ngāti Raukawa (Ōtaki) Tūwharetoa	'Realistic Dreaming' toward convivial communities of inquiry: A re-appraisal of the trajectory of Ivan Illich's thought in uncertain times
	Te Tāite Cooper	Victoria University	Ngāti Kahungunu	Māori mental health developments: a descriptive and prescriptive study
WAIKATO	Riri Ellis	University of Waikato	Ngaiterangi Ngāti Raukawa ki Waikato Ngāti Tahu	Enhancing Māori health through an engagement with social marketing: Tauranga Moana speaks out
	Des Kahotea	University of Waikato	Ngāti Pūkenga	Rebel discourses

OPEN	Diane Rūwhiu	University of Otago	Ngāpuhi	Examining the role of social capital in the attainment of sustainable advantages in Māori enterprise
	Lynne Pere	University of Otago	Kai Tahu Ngāti Kahungunu Rangitāne (ki Heretaunga)	The relationship between cultural identity and well-being for Māori
	Amohia Boulton	Massey University	Ngaiterangi Ngāti Ranginui Ngāti Pūkenga	A model for understanding cultural performance standards in Māori mental health

9.0 FINANCIAL REPORT TO 30 JUNE, 2004

Nga Pae o te Maramatanga
NATIONAL INSTITUTE OF RESEARCH EXCELLENCE FOR MAORI DEVELOPMENT AND ADVANCEMENT
STATEMENT OF FINANCIAL PERFORMANCE
FOR THE 12 MONTHS ENDED 30 JUNE 2004

	Notes	Actual 2004 \$	Actual 2003 \$
Operating income			
Tertiary Education Commission grant	3b	3,306,667	3,262,223
Change in year end research funds held	1c, 3c	(983,026)	(2,799,994)
Grant applied		2,323,641	462,229
Host/Partner support		0	0
External revenue		0	0
Total operating income		2,323,641	462,229
Expenditure			
Research projects:			
Salary and salary related costs		540,148	209,048
Overheads		390,164	179,234
Project costs		411,917	41,881
Subcontractors		902,143	19,373
Equipment depreciation		6,837	521
Other		0	0
Total research projects		2,251,209	450,057
Travel		72,432	12,172
Total operating expenditure	4	2,323,641	462,229
Total operating income less expenditure		0	0

The accompanying notes form part of these financial statements.

Nga Pae o te Maramatanga
NATIONAL INSTITUTE OF RESEARCH EXCELLENCE FOR MAORI DEVELOPMENT AND ADVANCEMENT
STATEMENT OF MOVEMENTS IN EQUITY
FOR THE 12 MONTHS ENDED 30 JUNE 2004

	Notes	Actual 2004 \$	Actual 2003 \$
Equity at beginning of period		382,000	0
Net movement in Capital Equipment Fund for period	6	0	382,000
Equity at end of period		382,000	382,000

The accompanying notes form part of these financial statements.

Nga Pae o te Maramatanga
NATIONAL INSTITUTE OF RESEARCH EXCELLENCE FOR MAORI DEVELOPMENT AND ADVANCEMENT
STATEMENT OF FINANCIAL POSITION
AS AT 30 JUNE 2004

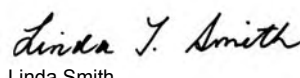
	Notes	Actual 2004 \$	Actual 2003 \$
Assets			
Current Assets			
Cash balance held by University of Auckland	5	4,165,020	3,181,994
Total current assets		4,165,020	3,181,994
 Total Assets		4,165,020	3,181,994
 Equity and Liabilities			
Current Liabilities			
Research funds	1c, 3c	3,783,020	2,799,994
Total current liabilities		3,783,020	2,799,994
 Equity			
Capital Equipment Fund	6	382,000	382,000
Total equity		382,000	382,000
 Total Equity and Liabilities		4,165,020	3,181,994

The accompanying notes form part of these financial statements.

Signed on behalf of the Board



Michael Brown
 Chairman
 27 January 2005



Linda Smith
 Joint Director of Nga Pae o te Maramatanga
 27 January 2005

Nga Pae o te Maramatanga
NATIONAL INSTITUTE OF RESEARCH EXCELLENCE FOR MAORI DEVELOPMENT AND ADVANCEMENT
NOTES TO THE FINANCIAL STATEMENTS

1. Statement of Accounting Policies

(a) Basis of Preparation

Nga Pae o te Maramatanga, National Institute of Research Excellence for Maori Development and Advancement is a Centre for Research Excellence and is managed as an institute within the University of Auckland and has its own Board of Governance.

The financial statements comprise statements of: financial performance; movements in equity; financial position; and notes including accounting policies.

The financial statements have been prepared in New Zealand currency, on the basis of historical cost, and in accordance with generally accepted accounting practice in New Zealand.

The financial statements are for the 12 months ended 30 June 2004. The comparative figures are for the 12 months ended 30 June 2003.

(b) Differential Reporting

Under the *Framework for Differential Reporting* issued by the Institute of Chartered Accountants of New Zealand, Nga Pae o te Maramatanga is classified as "small" and qualifies for differential reporting exemptions. Most available differential reporting exemptions allowed under the *Framework* have been adopted.

Nga Pae o te Maramatanga
NATIONAL INSTITUTE OF RESEARCH EXCELLENCE FOR MAORI DEVELOPMENT AND ADVANCEMENT
NOTES TO THE FINANCIAL STATEMENTS (continued)

(c) Revenue

Research grant revenue from the Tertiary Education Commission is reduced by the obligation to continue research or ultimately return any unspent funds.

(d) Taxation

Nga Pae o te Maramatanga income is exempt from income tax. All amounts are shown exclusive of Goods and Services Tax (GST). GST is accounted for outside Nga Pae o te Maramatanga financial statements by the University of Auckland as host institution.

(e) Changes in Accounting Policy

Uniform accounting policies have been applied on a basis consistent with those of the previous period.

2. Audit

These financial statements are not required to be audited, although the financial statements of the University of Auckland are audited.

3. Tertiary Education Commission Grant

(a) Funding Levels

Nga Pae o te Maramatanga is primarily funded by the Tertiary Education Commission. Funding is approved until 30 June 2005. An extension of funding for a further 3 years is considered likely but not certain. Approved and indicative levels are -

Approved and received for year ending 30 June 2003	\$3,262,223
Approved and received for year ending 30 June 2004	\$3,306,667
Approved for year ending 30 June 2005	\$3,546,667
Indicative for year ending 30 June 2006	\$3,546,667
Indicative for year ending 30 June 2007	\$3,546,667
Indicative for year ending 30 June 2008	\$3,546,667

Actual	Actual
2004	2003
\$	\$

(b) Current Period Grant

Grant for year ending 30 June	\$3,306,667	\$3,262,223
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(c) Research Funds Held

Research funds at beginning of period	2,799,994	0
Change in year end research funds held	983,026	2,799,994
Research funds at end of period	\$3,783,020	\$2,799,994

4. Operating Expenditure

NRCGD did not pay any interest, audit fees or remuneration to directors, or write off any bad debts during the period (2003: Nil).

5. Cash Balances

Cash balances are held on behalf of Nga Pae o te Maramatanga by the University of Auckland -

Research funds	3,783,020	2,799,994
Capital Equipment Fund	382,000	382,000
	\$4,165,020	\$3,181,994

6. Capital Equipment Fund

The Capital Equipment Fund from the Tertiary Education Commission is for acquisition of capital equipment and has not yet been expended. It is expected that the grant of \$382,000 will be expended in the 2004/05 year.

Fund at beginning of period	382,000	0
Capital funding from Tertiary Education Commission	0	382,000
Assets purchased and vested in University of Auckland	0	0
Capital funding returned to Tertiary Education Commission	0	0
Net movement during the period	0	382,000
Capital Equipment Fund at end of period	\$382,000	\$382,000



10.0 DIRECTORY

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Premika Sirisena, Administrator



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